

Appendix 4

Aims of the Revised Secondary Mathematics Curriculum

The secondary school mathematics curriculum continues the development of the learning of mathematics in the primary school. To enable students to cope confidently with the mathematics needed in their future studies, workplaces or daily life in a technological and information-rich society, the curriculum aims at developing students:

- (a) the ability to conceptualize, inquire, reason and communicate mathematically, and to use mathematics to formulate and solve problems in daily life as well as in mathematical contexts;
- (b) the ability to manipulate numbers, symbols and other mathematical objects;
- (c) the number sense, symbol sense, spatial sense and a sense of measurement as well as the capability in appreciating structures and patterns;
- (d) a positive attitude towards mathematics and the capability in appreciating the aesthetic nature and cultural aspect of mathematics.